



Date:

Sub:

$$\log_2^r \times \log_7^v = 0,2 \times 2,1 = 0,42 \Rightarrow \log_8^v = 0,42 \quad \Delta$$

$$\log_{12}^1 = \frac{\log_2^1 + \log_3^1}{\log_2^1 + \log_3^1} = \frac{0,301 + 0,477}{0,301 + 0,477} = \frac{0,778}{0,778} = 1 \quad \text{C}$$

$$\log_{10}^9 = \frac{\log_2^9}{\log_2^{10}} \Rightarrow \frac{\log_2^9 + \log_2^9}{\log_2^9 + \log_2^9} = \frac{1 + 1,4}{1,4 + 1,4} = \frac{2,4}{2,8} = \frac{6}{7} = 0,857 \quad \text{C}$$

$$\log_{\epsilon}^{\eta} = \frac{\log_{\eta}^{\eta}}{\log_{\eta}^{\epsilon}} \Rightarrow \log_{\eta}^{\eta} = \log_{\eta}^{\epsilon} + \log_{\eta}^{\eta} \rightarrow \frac{\eta}{\eta} + \frac{1}{\eta} \log_{\eta}^{\eta} \quad \text{C}$$

$$\log_{\eta}^{\eta} = \frac{\eta}{\eta} \log_{\eta}^{\eta} = \frac{\eta}{\eta}$$

$$\log_{\eta}^{\eta} = m \rightarrow \log_{\eta}^{\eta} + \log_{\eta}^{\eta} = m \Rightarrow \frac{\eta}{\eta} \log_{\eta}^{\eta} + \frac{1}{\eta} \log_{\eta}^{\eta} = m$$

$$\Rightarrow \frac{\eta}{\eta} \log_{\eta}^{\eta} + \frac{1}{\eta} = m$$

$$\log_{\eta}^{\eta} = \frac{\eta m - 1}{\eta} \quad \log_{\epsilon}^{\eta} = \frac{\frac{\eta}{\eta} + \frac{1}{\eta} \log_{\eta}^{\eta}}{\frac{\eta}{\eta}} = \frac{\frac{\eta}{\eta} + \frac{1}{\eta} (\frac{\eta m - 1}{\eta})}{\frac{\eta}{\eta}} = \frac{\eta(m+1)}{\epsilon} \quad \text{C}$$

$$\left(\frac{\eta}{\eta}\right)^{\eta x - 1} = \left(\frac{\eta}{\eta}\right)^{\eta x} \Rightarrow \left(\frac{\eta}{\eta}\right)^{\eta x - 1} = \left(\frac{\eta}{\eta}\right)^{\eta x} \Rightarrow \eta x - 1 = \eta x$$

$$\eta x^{\eta} + \eta x - 1 = \dots \rightarrow \eta x^{\eta} + \eta x - \eta = \dots \rightarrow \left(x + \frac{\eta}{\eta}\right) \left(x - \frac{1}{\eta}\right) = \dots$$

$$x = -1 \quad \text{C} \rightarrow 9x + 1 = -9 + 1 = -8$$

$$x = \frac{1}{\eta} \quad \text{C} \rightarrow \log_{\eta}^{\left(\frac{\eta}{\eta}\right)} = \log_{\eta}^{\eta} = \frac{\eta}{\eta} \log_{\eta}^{\eta} = \frac{\eta}{\eta} \quad \text{C}$$

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$$\frac{1}{r} \log_r b = \frac{r}{r} (a+1) \rightarrow \log_r b = ra+r$$

9

$$r^{ra+r} = b \quad (r^a)^r \times r = ry \rightarrow b = ry$$

5

$$\log(r^r b - 1) \rightarrow \log(1 \dots) \quad \text{(scribble)}$$

1.

$$S = \frac{-b}{-2a} = \frac{b}{2a} = \log e \rightarrow \frac{a}{b} = \frac{\log r}{r} \rightarrow \frac{r \log r}{r} = \frac{\log r}{r}$$

$$ra = b+c \rightarrow \frac{ra}{a} = 1 + \frac{c}{b} \rightarrow \frac{a}{b} = \frac{\log r}{r} \rightarrow r \left( \frac{\log r}{r} \right) = 1 + \frac{c}{b}$$

5

$$\frac{c}{b} = -1 + \log_r br, \quad \frac{c}{a} = \frac{-1 + \log r}{\frac{\log r}{r}} \Rightarrow \frac{c}{a} = \frac{\log r - 1 \cdot \log r}{\frac{1}{r} \log r}$$

$$\frac{\log \frac{r}{1}}{\frac{1}{r} \log r} = \frac{\log \frac{1}{a}}{\frac{1}{r} \log r} \rightarrow \frac{\log \frac{1}{a}}{\log r} = \log \frac{1}{r} \rightarrow \left( \frac{1}{r} \right)^{ra}$$

$$= \left( \frac{1}{a} \right)^{\log_r r} = \left( \frac{1}{a} \right)^{\log_r r^{\frac{1}{r}}} = \frac{1}{a} \left( \frac{1}{r} \right)^{\log_r r} = \left( \frac{1}{a} \right)^{-\frac{1}{r}}$$

$$\boxed{\sqrt[r]{a}}$$